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31. A computer according to claim 31; wherein when the mode changing switch is in the read-only mode, the access judging means changes the mode changing switch to the normal mode in response to an access request made from an internal source.

**ADDITIONAL FEES:**

A check in the amount of \$282.00 is enclosed to cover the cost of 1 additional independent claim in excess of 3 and 11 claims in excess of 20 total. Should the check prove insufficient for any reason, authorization is hereby given to charge any such deficiency to our Deposit Account No. 01-0268.

**REMARKS**

To place this application in better condition for complete action on the merits, original claims 1-20 have been rewritten in formal respects to improve the wording and bring them into better conformance with U.S. practice. The specification has been suitably revised to correct informalities and to provide an antecedent basis for newly added claim language. Marked-up versions of the amended claims and amended paragraphs of the specification are attached hereto.

To obtain a fuller scope of coverage, new claims 21-31 have been added. Adequate support for the subject matter recited in these claims may be found in the specification as originally filed.

Early and favorable action on the merits are most respectfully requested.

Respectfully submitted,

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MAILING CERTIFICATE

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: MS █████ FEE AMENDMENT, COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

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Signature

June 23, 2003

Date

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Paragraph beginning at line 8 of page 1 has been amended as follows:

Due to [an] the appearance of communications services for connecting to the Internet via ISDN, ASDL or CATV at high speed and at a flat rate, content servers for such content as individual and corporate web pages are being operated in great numbers.

Paragraph beginning at line 20 of page 1 has been amended as follows:

As described above, communication [environment] environments in which a continual connection (to the Internet or other public network) is possible on an individual basis, [is] are now being established. The current situation being as such, there is a desire for a secure server system[,] which is simple and inexpensive and can be operated in a reliable manner.

Paragraph beginning at line 10 of page 2 has been amended as follows:

According to a first aspect of the present invention, there is provided a server system equipped with a

hard disk drive which stores at least an operating system, [an] application software and [a] content data, and receives connections from a plurality of clients through a network, characterized in that the hard disk drive is provided with a mode changing switch capable of physically switching the mode of the hard disk drive between a normal mode in which writing to the hard disk drive can be performed and a read-only mode in which writing cannot be performed, whereby the hard disk drive can be operated in the read-only mode.

**Paragraph beginning at line 6 of page 3 has been amended as follows:**

According to a fourth aspect of the present invention, in the first aspect of the invention, [a] the server system is characterized in that it [: which] further comprises a security system[,] which is operated by a sub central processing unit different from a central processing unit which is controlled by the operating system, and switching of the mode changing switch is controlled by the security system.

**Paragraph beginning at line 5 of page 7 has been amended as follows:**

According to the twentieth aspect of the present invention, there is provided a security system which is

connected to a server system to monitor the server system, the server system including a hard disk drive for storing at least an oprating system, [an] application software, and [a] content data, and receiving connections form a plurality of clients through a network, the security system being characterized by comprising [an] automatic rebooting means for performing a reboot[,] upon detecting system down of the operating system of the server system.

IN THE CLAIMS:

Claims 1-20 have been amended as follows:

1. (Amended) A server system comprising: a central processing unit; [equipped with] a hard disk drive which stores at least an operating system and [, an] application software executed by the central processing unit, and [a] content data; means for connecting to [, and receives connections from] a plurality of clients through a network [, wherein the hard disk drive is provided with]; and a mode changing switch for [capable of] physically switching [the] a mode of the hard disk drive between a normal mode in which writing to the hard disk drive can be performed and a read-only mode in which writing to the hard disk drive cannot be performed [, whereby] and the hard disk drive can only be read from [be operated in the read-only mode].

2. (Amended) A server system according to claim 1;  
[,] further comprising a sub hard disk drive comprised  
[composed] of a writable hard disk drive [,] which is driven  
separately and in association with the hard disk drive, and to  
which a log file and a swap file can be written when the hard  
disk drive is in the normal mode or the read-only mode [at any  
time].

3. (Amended) A server system according to claim  
1[,]i wherein the operating system is Linux.

4. (Amended) A server system according to claim  
1[,]i further comprising a security system for controlling the  
mode changing switch; and [, which is operated by] a sub  
central processing unit separate [different] from the [a]  
central processing unit and [which is] controlled by the  
operating system for operating the security system [, wherein  
switching of the mode changing switch is controlled by the  
security system].

5. (Amended) A server system according to claim  
4[,]i wherein the security system can be accessed [connected]  
through the network, and the mode changing switch can be  
controlled through the security system.

6. (Amended) A server system according to claim 4[,];i wherein the security system can be accessed [connected] through the network[,] and has [is provided with an] access judging means [function] for judging between an access request made from an internal source without going through the Internet and an access request made from an external source through the Internet.

7. (Amended) A server system according to claim 6[,];i wherein the access judging means [function] changes the mode changing switch to the normal mode in response [with respect] to [the] an access request made from [the] an internal source, and changes the mode changing switch to the read-only mode in response [with respect] to [the] an access request made from [the] an external source.

8. (Amended) A server system according to claim 6[,];i wherein when the mode changing switch is in the read-only mode, the access judging means [function] changes the mode changing switch to the normal mode in response [with respect] to [the] an access request made from [the] an internal source.

9. (Amended) A server system according to claim 4[,];i further comprising a manual switching unit for controlling the mode changing switch [of the security system].

10. (Amended) A server system according to claim 4[,]~~i~~ wherein the security system comprises [an] automatic rebooting means for performing a reboot [,] upon detecting a system down state of the operating system.

11. (Amended) A server system according to claim 1[,]~~i~~ further comprising a manual switching unit for manual [manually performing] switching of the mode changing switch.

12. (Amended) A server system according to claim 11[,]~~i~~ wherein the manual switching unit includes [an] automatic rebooting means for performing a reboot [,] upon detecting [the] a system down state of the operating system.

13. (Amended) A computer [security] system, comprising: [which is connected to a server system to monitor the server system,]

a [the] server system comprising a central processing unit, [including] a hard disk drive for storing at least an operating system and [, an] application software executed by the central processing unit, and [a] content data, and means for establishing [receiving] connections [from] with a plurality of clients through a network, [and] the hard disk drive including a mode changing switch for [, which is physically capable of] switching a [the] mode of the hard disk drive between a normal mode in which writing to the hard disk

drive can be performed and a read-only mode in which writing to the hard disk drive cannot be performed and the hard disk drive can only be read from; [,] and

a [the] security system comprising [a mode switching means, which is operated by] a sub central processing unit separate [different] from the [a] central processing unit and [which is] controlled by the operating system, and mode switching means operated by the sub central processing unit for controlling [the] switching of the mode changing switch.

14. (Amended) A computer [security] system according to claim 13 [,]; wherein the security system can be accessed [connected] through the network[,] and can control the mode changing switch of the server system through the network.

15. (Amended) A computer [security] system according to claim 13[,]; wherein the security system can be connected through the network[,] and includes [an] access judging means [function] for judging between an access request made from an internal source without going through the Internet and an access request made from an external source through the Internet.

16. (Amended) A computer [security] system according to claim 15[,]; wherein the access judging means [function] changes the mode changing switch to the normal mode

in response [with respect] to [the] an access request made from [the] an internal source, and changes the mode changing switch to the read-only mode in response [with respect] to [the] an access request from [the] an external source.

17. (Amended) A computer [security] system according to claim 15[,],; wherein when the mode changing switch is in the read-only mode, the access judging [function] means changes the mode changing switch to the normal mode in response [with respect] to [the] an access request from [the] an internal source.

18. (Amended) A computer [security] system according to claim 13[,],; further comprising a manual switching unit for manually [performing a control of] controlling the mode changing switch.

19. (Amended) A computer [security] system according to claim 13[,],; further comprising [an] automatic rebooting means for performing a reboot [,] upon detecting a system down state of the operating system [of the server system].

20. (Amended) A security system for monitoring a server system including [which is connected to a server system to monitor the server system, the server system including] a

hard disk drive for storing at least an operating system, [an] application software, and [a] content data, and means for establishing [receiving] connections [from] with a plurality of clients through a network, the security system [further] comprising: [an] automatic rebooting means for performing a reboot [,] upon detecting a system down state of the operating system [of the server system].